

# Construction & Demolition Debris Guidebook

A Guide to Waste  
Reduction & Recycling  
on Construction Sites

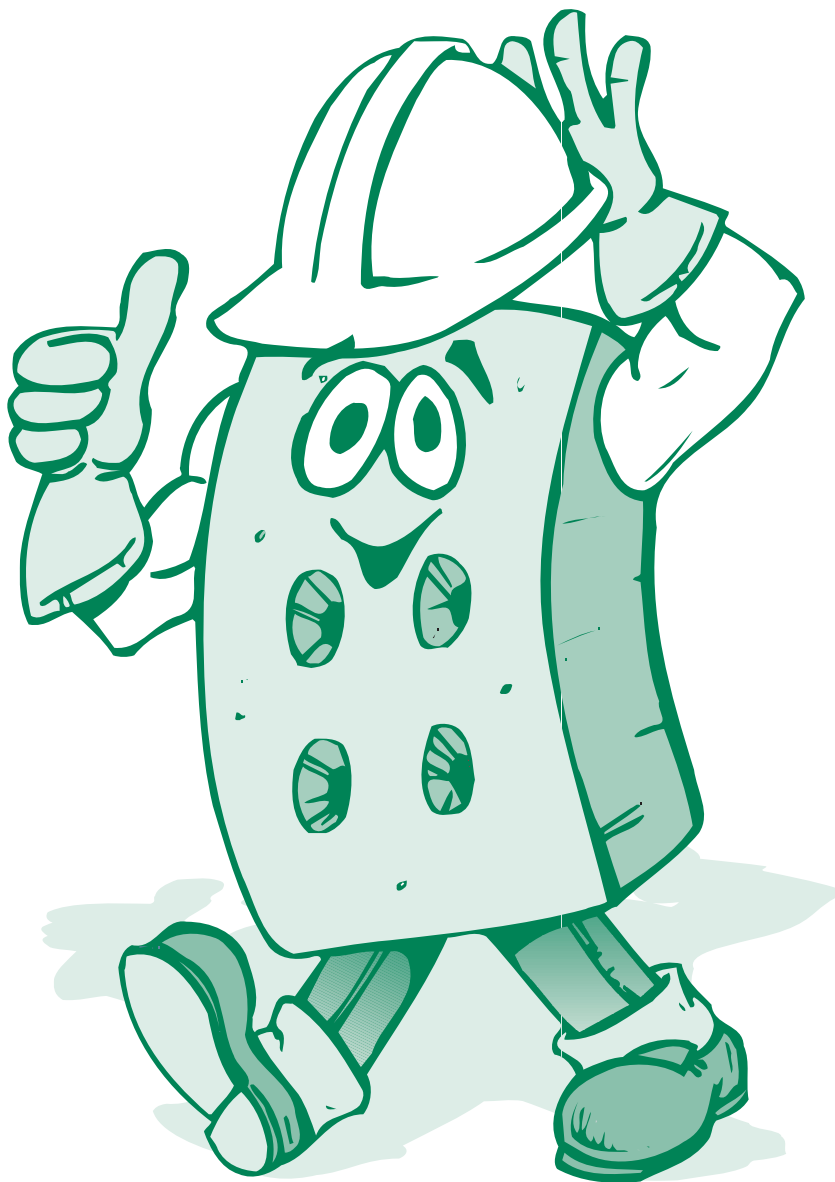


Provided by the S.C. Energy Office & the S.C. Department of Health  
& Environmental Control's Office of Solid Waste Reduction and Recycling



# **Construction & Demolition Debris Guidebook:**

**A Guide to Waste Reduction & Recycling  
on Construction Sites**



# Acknowledgements

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- ✧ S.C. Energy Office
- ✧ University of South Carolina

If you have any questions or comments about organizing a recycling program for your business or organization, contact DHEC's Office of Solid Waste Reduction and Recycling at:

**S.C. Department of Health  
and Environmental Control**  
Office of Solid Waste Reduction and Recycling  
2600 Bull Street  
Columbia, SC 29201  
**1-800-768-7348**  
[www.scdhec.net/recycle](http://www.scdhec.net/recycle)

# Disclaimer

This guidebook provides information to businesses and organizations seeking assistance to reduce and recycle construction and demolition debris. All the information is voluntarily listed by the organizations and does not imply any endorsement or approval by DHEC, nor does it suggest the businesses or organizations are in compliance with all applicable laws.

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DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
OFFICE OF SOLID WASTE REDUCTION AND RECYCLING  
**1-800-768-7348**

*Printed on Recycled Content Paper*

# Table of Contents

<b>Introduction .....</b>	<b>5</b>
✧ <b>Characterization of Construction and Demolition Debris .....</b>	<b>5</b>
✧ <b>Definitions .....</b>	<b>5</b>
<b>Developing a Waste Management Plan .....</b>	<b>7</b>
<b>Reusing and Recycling C&amp;D Debris .....</b>	<b>9</b>
<b>Methods to Reduce C&amp;D Debris: Source Reduction .....</b>	<b>10</b>
✧ <b>Basic Ideas About What to Recycle .....</b>	<b>11</b>
✧ <b>Tips for Your Recyclables .....</b>	<b>11</b>
✧ <b>Effective Methods for Setting Up an On-Site Recycling Program .....</b>	<b>11</b>
✧ <b>Effective Education Techniques for Employees and Subcontractors .....</b>	<b>12</b>
✧ <b>Where Does It All Go? .....</b>	<b>12</b>
<b>Environmentally Friendly Building Materials .....</b>	<b>13</b>
<b>Appendix I: Resources and Contacts on C&amp;D Debris Recycling .....</b>	<b>14</b>
<b>Appendix II: C&amp;D Debris Recycling Processors .....</b>	<b>15</b>
<b>Appendix III: Distributors of Recycled Content Building Materials and Products .....</b>	<b>20</b>
<b>Appendix IV: C&amp;D Debris Proper Disposal Requirements .....</b>	<b>34</b>
<b>Appendix V: Acceptable Waste for C&amp;D and Land-Clearing Debris Landfills .....</b>	<b>37</b>
<b>Appendix VI: Unacceptable Waste for C&amp;D and Land-Clearing Debris Landfills .....</b>	<b>38</b>

# Introduction

About 1.1 million tons of construction and demolition debris were generated in South Carolina, according to reports provided by the state's counties in 1999. Of that, more than 900,000 tons were disposed of in landfills. The population continues to increase and construction in South Carolina is growing rapidly, generating more waste for disposal. Allowing these reusable materials to go to a landfill is not only a waste of resources, but is also a waste of money. Builders and contractors pay twice: once when purchasing supplies and again when it is carried away for disposal.

According to the National Association of Home Builders (NAHB), it costs an average of \$511 per house for construction debris disposal, causing fees to be more than \$50,000 for every 100 homes constructed. This figure is predicted to increase as old landfills close and new ones are established. Many builders already practice efficient use of materials, but with the possibility of increased disposal costs, an effective waste management plan is needed to address reduction and recycling alternatives efficiently.

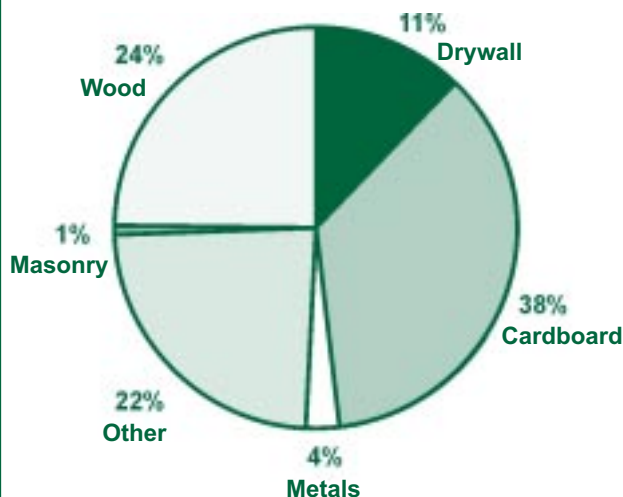
Since C&D has been detoured from municipal solid waste (MSW) landfills and makes up about 13 percent of the total waste in South Carolina, it has received more focus than ever. Although C&D landfill tipping fees are less than MSW landfills, some C&D landfills are offering additional recycling incentives for separated wood, brick, concrete and block brought to their sites.

This guidebook is intended to provide individuals involved in building, development and demolition with information to efficiently reduce, reuse and recycle on site. While this guidebook does not offer all the solutions, it provides ideas on managing and reducing waste going to the landfills.

## Characterization of C&D Debris

C&D is solid waste generated from construction and demolition activities. These include the construction, remodeling, repair and demolition of structures such as buildings, roads, bridges, land-clearing and drainage and sewer systems. Waste materials produced at a construction site include asphalt, concrete, bricks, wood, glass, vinyl and aluminum siding, steel, drywall, paint cans,

### Construction Waste by Volume



### Definitions

- ✕ **C&D:** construction and demolition debris
- ✕ **Contamination:** inappropriate materials placed in a specifically marked container
- ✕ **Commingled materials:** a mixture of several recyclables in one container
- ✕ **Tipping Fees:** the price individuals, communities and trash haulers pay to dispose of their waste at a landfill

caulking tubes, roofing materials, insulation, wiring, tree stumps, cardboard and much more. Of these items, the chart on the previous page shows the typical percentage of recyclable items generated during construction and demolition.

Waste will vary from site to site and from builder to builder, but the advantages to reducing, reusing and recycling remain the same. Some of the advantages include:

- ✘ Cost savings from avoided landfill and transportation fees and less money spent on additional purchases;
- ✘ Potential revenue generated from the sale of select recyclable materials; and
- ✘ Conservation of valuable landfill space and protection of South Carolina's environment and natural resources.

*In 1999, Mungo Homes, Inc., as part of a partnership with DHEC's Office of Solid Waste Reduction and Recycling, demonstrated that gypsum wallboard from construction sites could be chipped into an effective soil amendment. These photos show the process from discarded gypsum board (right), the material being chipped (below left) and the final product (below right).*





# Developing a C&D Debris Management Plan

With every success, there is a plan. The same applies to C&D debris. Listed below are five steps to help you develop a C&D debris management plan. Not every step applies to all builders and contractors, so review each to find the best for your situation. Some of the steps require larger changes in procedures at the office or the job-site, while others are very minimal. Remember, be flexible with the options and modify them as needed.

## 1. Target materials that are easy to recover, are in large quantities and are valuable.

You already see how much waste is generated on site. But, referring back to the pie chart will give you an idea of the recyclable materials generated.

- ✂ Once you have identified the target materials, choose one. By choosing one material, you can easily establish and maintain a recycling program. Since most construction occurs on several sites at the

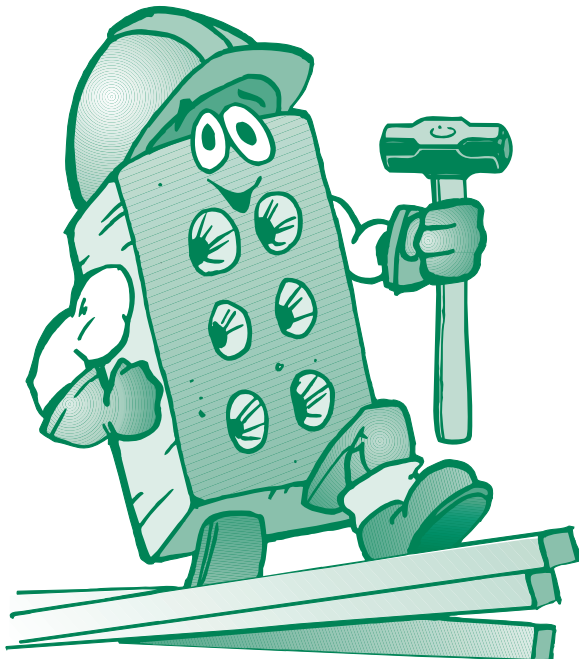
same time, this will enable you to manage the project more efficiently.

- ✂ Determine when the material is generated. For example, during the finishing stage, cardboard and polystyrene is generated in large amounts.
- ✂ Look for materials in good condition that have unique characteristics or have value that can be reused or resold.

*NOTE: Contracts can be written to require subcontractors to sort and recycle on site.*

## 2. Determine the economics of reducing and recycling target materials.

- ✂ By keeping the recycling program similar to your current waste disposal system, little or no additional labor is required. Expect to assign a member of your staff/ crew to manage the program for about two hours per week.
- ✂ Contact recyclers to determine cost or value of the targeted materials you want to recycle. Some items, such as drywall and wood, may require paying a recycler to take, while others will pay you for the items, such as cardboard and metal. Shop around. Know the cost of your local tipping fees, so you will be able to determine if the offer is cost-effective.
- ✂ Subtract the amount of materials you will recycle from the total cost of disposal to determine your savings. Be sure to look at the number of pick-ups and determine if you can have less frequent pick-ups (especially if you are planning to recycle or reuse large quantities) and if you need to change the size of the containers at your site.



### 3. Evaluate when the target materials will be generated during construction or demolition.

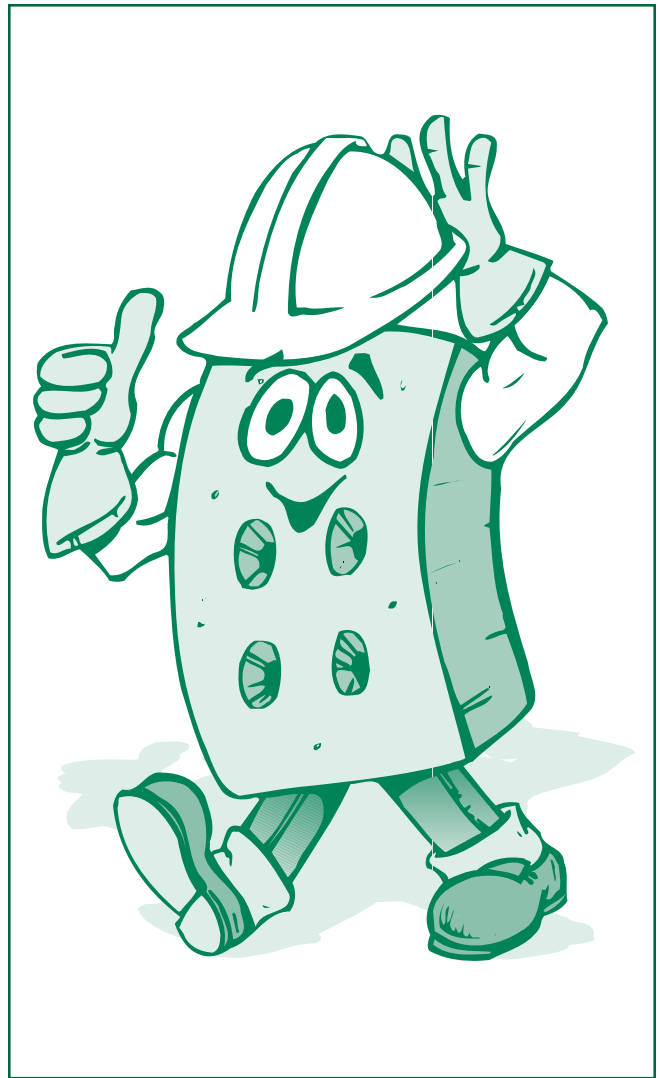
- ✂ Develop your recycling program to correspond with the times when the materials you have targeted will be generated. For instance, cardboard is generated near the end of construction when appliances and cabinets are installed.

### 4. Identify limitations of your target materials. Some of these may include:

- ✂ storage space;
- ✂ distance to recycling containers from site; and
- ✂ illegal dumping from non-contractors/local population.

### 5. Develop a waste reduction plan.

Gather all the information concerning target materials, economics, generation time and limitations to develop and implement a waste reduction plan from the options in the next chapter. Look at starting out small with plans to expand as the program becomes routine.





# Reusing and Recycling C&D Debris

This section presents new options for waste management. Each of the following options has different requirements, advantages and disadvantages that should be considered before implementing the plan. Keep in mind that not every technique works for every builder or contractor. These options can be modified to fit your specific needs, so be creative:

Option	Methods	Advantages	Disadvantages
Source Reduction	<ul style="list-style-type: none"> <li>✂ Site clearing: leave trees when possible</li> <li>✂ Alter floor plans to eliminate excess cut-offs</li> <li>✂ Use in-line framing, increase stud spacing and reuse cut-offs</li> </ul>	<ul style="list-style-type: none"> <li>✂ Cost savings due to reduction of materials purchased, reduced labor and disposal</li> </ul>	<ul style="list-style-type: none"> <li>✂ “Cost cutting” perception from buyers</li> <li>✂ May require architect, building inspector and framer involvement</li> </ul>
Reuse	<ul style="list-style-type: none"> <li>✂ Reuse off-cuts for blocking, headers, bridging material and wall blocking</li> <li>✂ Reuse plywood for air barrier boxes for electrical outlets, panels and plumbing fixtures</li> <li>✂ Use crushed masonry material as fill for slabs or garages</li> <li>✂ Demolition projects can salvage materials such as sinks, tubs, wood floors, etc.</li> </ul>	<ul style="list-style-type: none"> <li>✂ Disposal savings</li> <li>✂ Reduces initial cost of materials</li> <li>✂ Encourages efficient use of materials</li> </ul>	<ul style="list-style-type: none"> <li>✂ Training of building crews</li> </ul>
Commingled Recovery	<ul style="list-style-type: none"> <li>✂ Separate target recyclable materials from waste materials</li> <li>✂ Place all recyclable materials in one container for pick-up</li> <li>✂ Fewer containers on site</li> </ul>	<ul style="list-style-type: none"> <li>✂ Little involvement from builder</li> <li>✂ Little training and time required for building crews</li> </ul>	<ul style="list-style-type: none"> <li>✂ Value of materials decreases</li> <li>✂ Not usually cost effective for areas with tipping fees less than \$50/ton</li> </ul>
On-site Separation	<ul style="list-style-type: none"> <li>✂ Provide separate containers for each recyclable material</li> <li>✂ Require the generator to be responsible for placing materials in appropriate container</li> </ul>	<ul style="list-style-type: none"> <li>✂ Higher value for recyclable materials</li> <li>✂ Visible to prospective buyers</li> <li>✂ Collection schedules can be made on an as needed basis</li> </ul>	<ul style="list-style-type: none"> <li>✂ Requires more training of building crews</li> <li>✂ More containers on site</li> <li>✂ Contamination of improper materials in containers will reduce marketability</li> </ul>
Take-back Policies	<ul style="list-style-type: none"> <li>✂ Manufacturer takes back waste such as carpet and padding, drywall and vinyl to recycle into new product</li> </ul>	<ul style="list-style-type: none"> <li>✂ Minimizes waste from site</li> <li>✂ Responsibility is on manufacturer</li> </ul>	<ul style="list-style-type: none"> <li>✂ Usually offered for large orders only</li> <li>✂ Materials must have high value</li> </ul>
Alternative Methods	<ul style="list-style-type: none"> <li>✂ Chipped wallboard used as soil amendment on lot prior to sodding</li> <li>✂ Chipped wood waste used as mulch or compost</li> </ul>	<ul style="list-style-type: none"> <li>✂ Handled locally on site</li> <li>✂ No disposal costs</li> </ul>	<ul style="list-style-type: none"> <li>✂ Equipment needed</li> <li>✂ State and local requirements must be met</li> </ul>

Information from NAHB's "Residential Construction Waste Management: A Builder's Field Guide"

# Methods to Reduce C&D Debris:

## Source Reduction

The first and most important step in a waste management plan is to reduce. That is, reduce the amount of waste generated from the start. This will eliminate the need for an elaborate recycling plan. Many times, builders and contractors over-estimate the amount of materials needed for a site. According to the NAHB, the stud-per-foot estimation is the method many builders use to determine the number of studs required. However, it was discovered that about 15 percent (by weight) of the studs and structural sheathing went into the trash.

Framing lumber for most homebuilders is one of the largest purchases and components of the waste stream. There are many efforts to reduce the amount of waste generated during framing and reduce disposal costs. According to the NAHB, the following techniques are suggested to increase savings:

- ✂ **Increased Spacing of Joists and Studs:** Increased spacing of floor joists from 16" to 19" - 24" (these require use of 3/4" floor sheathing or greater). This technique can reduce the amount of framing material required by 30 percent.
- ✂ **In-Line Framing:** Aligning framing members such as trusses, studs and joists to bear



directly over each other is the most efficient way to transfer loads from the roof to the foundation. Using this technique, regardless of the spacing of the framing members, allows the use of a single top plate.

- ✂ **House Configuration and Roof Design:** A plan with overall dimensions on a two-foot module permits the optimum use of floor and wall materials. Modest changes can reduce the amount of material required or generated.
- ✂ **Slab-on-Grade Foundations:** Under suitable site conditions, concrete slab-on-grade foundation can provide a cost-effective foundation-floor combination.
- ✂ **Excessive Waste Factors and Take-Off Tools:** Accurately determine the amount of materials needed for a site.
- ✂ **Construction Drawings:** With a detailed set of drawings, more accurate material estimations can be generated.
- ✂ **Separation of Reusable Lumber:** Stockpile reusable cut-offs for use in bridging, stakes, bracing, shims, drywall nailers and blocking where interior walls run parallel to joists or trusses.
- ✂ **Header Sizes:** Follow header tables included in building codes and eliminate headers in non-loadbearing walls.
- ✂ **Relocating Doors, Windows and Stairs:** Moving the horizontal position to coincide with modular studs reduces the number of framing members required.
- ✂ **Corner Details:** The stud/block/stud detail is commonly used for framing corners. The two-stud/1x backer detail and ladder framing reduces the number of studs required to frame outside corners and intersecting walls.

## Basic Ideas About What to Recycle

When choosing which recyclable materials you will target, remember that the market and local C&D landfill tipping fees drives the value of those materials. Prices for recyclable construction materials may vary, but according to the latest figures from NAHB, the following values for recyclables were:

<b>WOOD</b> .....	Expect to pay \$20/ton
<b>DRYWALL</b> .....	Expect to pay \$13/ton
<b>CARDBOARD</b> .....	Payback of \$5/ton
<b>FERROUS METALS</b> .....	Payback of \$40/ton
<b>VINYL</b> .....	Payback of \$100/ton
<b>ALUMINUM</b> .....	Payback of \$600/ton

**SOUTH CAROLINA AVERAGE  
C&D LANDFILL TIPPING FEE:** ..... **\$28/ton**

These figures give you an idea of what to expect when you recycle. The savings you receive from recycling are determined in part by local tipping fees and the training of your crews and subcontractors. Remember that any extra time spent on recycling normally decreases as your crews and subcontractors become familiar with the new methods.

### Tips for Your Recyclables

- ✂ **Scrap wood and drywall:** Chemically treated wood is difficult to market because it can contaminate the end-products. Clean lumber and wood pallets are better choices to recycle. Most lumber is used for boiler fuel, mulch or to patch broken pallets. Gypsum or drywall is recycled as new wallboard, a fertilizer/soil amendment or land application.
- ✂ **Cardboard:** End markets are usually easy to find due to its widespread recyclability. Prices

vary, but it is well worth the recycling option, particularly if you pay by volume.

- ✂ **Metals and Vinyl:** Copper, brass and aluminum have a higher market value than steel, but the small amounts generated on-site make cost-effective recycling difficult. Look at stockpiling for larger loads and keeping steel separate for higher value.

## Effective Methods for Setting Up an On-Site Recycling Program

The two options for recycling on site, commingled recovery and on-site separation, require several methods to get started. Outlined below, these methods will give you an idea of what to expect and tips to make it successful. Keep in mind that each option is flexible and can be modified to fit your current situation.

- ✂ **Commingled Recovery:** Recyclables will need to be separated from waste materials and placed in one pile or container. This method requires less training and involvement from builder and crews. It works best on sites with little space available for extra containers or piles and for jobs that will produce small amounts of recyclables.

However, this method does not produce payback of the recyclables due to the time required by the recycling service provider to separate the materials. It is usually not cost effective for areas in South Carolina that have a C&D landfill tipping fee less than \$50/ton.

- ✂ **On-site Separation:** If you are planning to collect more than one recyclable, a container or pile for each material is required. This method requires sites with areas large enough for several piles or containers. However, if you are working on several sites at the same time, you can schedule collection of particular recyclables during that phase. For instance, during framing of several homes, schedule collection of scrap wood

after the framing has been complete. Then once you move into the brick or siding phase, schedule collection of those materials and so on. This method requires the generator to be responsible for placing recyclable materials in the appropriate container or pile, thus more training of your crews and subcontractors.

You will receive higher value for these materials, because the recycling service does not need to separate and usually the loads they collect are cleaner, with little contamination. Lastly, take the time to educate your prospective homebuyers of your methods to improve the quality of life in South Carolina. This will leave a lasting impression on your future clients.

## Effective Education Techniques for Employees and Subcontractors

Communication is key. As a builder you already know how important this is to the success of your business.

- ✂ **FIRST:** Be sure that your idea of a “clean, uncontaminated” load is the same as your recycling service provider. This will ensure the highest value for each load.
- ✂ **SECOND:** Look for a member of your crew/ staff that is interested in recycling to designate as a recycling coordinator. The success of your program increases if someone takes responsibility for the recycling.
- ✂ **THIRD:** Inform your crews/subcontractors of the new waste reduction methods and explain your intentions. Have the new recycling coordinator list the items accepted for recycling on a materials information sheet specific to the crew/subcontractor’s specialty. Give them only what they need. A list of all the materials that can be recycled and the specifics on each from cardboard to metals will appear overwhelming to your framing subcontractor. For example, print a materials

information sheet just for scrap wood and include: definitions of the material, clean and uncontaminated; placement of materials; and examples of what is acceptable and unacceptable.

## Where Does It All Go?

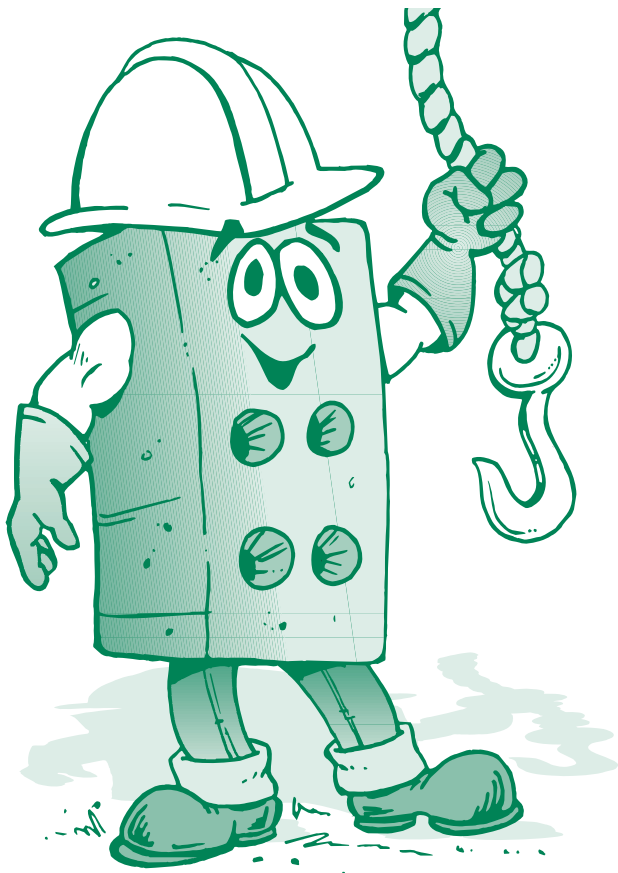
The materials you target for recycling supplement other materials or can be made into various new products. Below is a listing of the most common uses of these materials:

USES OF RECYCLED CONSTRUCTION WASTE	
<b>Bricks</b>	✂ broken bricks can be crushed and used as aggregate
<b>Wood</b>	<ul style="list-style-type: none"> <li>✂ chipped and used as mulch, animal bedding and compost</li> <li>✂ wood fuel</li> <li>✂ new construction projects (donated to non-profit organizations)</li> <li>✂ particle board</li> </ul>
<b>Concrete and Blocks</b>	<ul style="list-style-type: none"> <li>✂ crushed and used as aggregate for new ready-mix</li> <li>✂ roadbase</li> <li>✂ fill material</li> </ul>
<b>Asphalt</b>	<ul style="list-style-type: none"> <li>✂ added to the production of new asphalt</li> <li>✂ used as an aggregate base</li> </ul>
<b>Cardboard</b>	✂ separated and sold for paper fiber feedstock
<b>Metals</b>	✂ reused for metal feedstock
<b>Gypsum Wallboard (drywall)</b>	<ul style="list-style-type: none"> <li>✂ new wallboard</li> <li>✂ animal bedding and cat litter</li> <li>✂ soil amendments</li> <li>✂ paper backing can be re-pulped and made into new backing</li> </ul>

# Environmentally Friendly Building Materials

## Why Is It Important?

Green building and sustainability are relatively new ideas that are catching on quickly. Green building looks at the entire building process, from site selection to final landscaping, and ensures the entire process takes sustainability into account. Sustainability is development that meets the needs of the present without compromising the ability of future generations to meet their own needs. By choosing materials that are made of recycled content materials, you are practicing a part of green building. Instead of those items going into a landfill, taking up space and wasting resources, you enable those products to be used again.



## How Can You Do It?

Consider using recycled content building materials. Examples include plastic lumber made from recycled milk jugs and other plastics, carpet made from recycled soda bottles, steel framing made from recycled steel and insulation made from recycled newspaper.

Plastic lumber is a great example of a product that meets sustainability in a variety of ways. First, it keeps plastic out of landfills and offers another use for this resource. It is used for decking, boardwalks, fencing and outdoor railings. Expect to pay more for this product, but it has several advantages over treated wood. It resists rot, mold, mildew, termites, comes in several colors and outlasts wood products. This keeps homeowners from having to replace, stain or do routine maintenance to their decks and reduces the amount of new resources needed for repairs.

Review the list in Appendix III for available recycled content products. It is not always practical to use environmentally friendly materials. When pricing materials, if one that has recycled content costs three times as much and does not meet your standards, then it is not the practical choice.



# **Appendix I:**

## **Resources and Contacts on C&D Debris Recycling**

### **American Plastics Council**

1801 K Street, NW  
Washington, DC 20005  
1-800-243-5790

### **Contractors Register, Inc. (CRI)**

P.O. Box 500  
Jefferson Valley, NY 10535  
1-800-431-2584

### **Cost-Effective Home Building**

NAHB Research Center, Inc.  
400 Prince George's Boulevard  
Upper Marlboro, MD 20774  
1-800-638-8556

### **Environmental Building News**

RR1 Box 161  
Brattleboro, VT 05301  
(802) 257-7300

### **Environmental Resource Guide (ERG)**

American Institute of Architects  
1735 New York Avenue, NW  
Washington, DC 20006  
(202) 626-7331

### **Guide to Resource Efficient Building Elements (GREBE)**

Center for Resourceful Building Technology  
P.O. Box 3866  
Missoula, MT 59806  
(406) 549-7678

### **National Association of Demolition Contractors (NADC)**

16 North Franklin Street  
Doylestown, PA 18901  
1-800-541-2412

### **National Recycling Coalition, Inc. (NRC)**

1727 King Street, Suite 105  
Alexandria, VA 22314  
(703) 683-9025

### **N.C. Department of Environment, Health and Natural Resources**

Division of Solid Waste  
P.O. Box 27687  
Raleigh, NC 27611-7687

### **S.C. Department of Health and Environmental Control**

Office of Solid Waste Reduction and Recycling  
2600 Bull Street  
Columbia, SC 29201  
1-800-768-7348

### **Steel Recycling Institute**

680 Andersen Drive, Foster Plaza 10  
Pittsburgh, PA 15220-2700  
1-800-876-7274

### **WasteSpec**

Triangle J Council of Governments  
P.O. Box 12276  
Research Triangle Park, NC 27709  
(919) 549-0551



# Appendix II:

## C&D Debris Recycling Processors

### Cardboard

*Widely accepted throughout the state, call 1-800-768-7348 for a processor near you.*

### General C&D Debris

#### Glasscock Company, Inc.

Location: ..... Hwy. 76 and 378, across from Shaw AFB, Sumter, SC 29150  
Phone: ..... (803) 494-2694  
Fax: ..... (803) 494-8598  
Accepts: ..... Reinforced concrete, brick, concrete blocks, asphalt and concrete pavement  
Quantity accepted: ..... Any amount

*Note: Service area is statewide.*

#### Greenville/Spartanburg Recycling Company

Location and Mailing Address: ..... 350 E. Frontage Rd., Greer, SC 29651  
Phone: ..... (864) 848-0390  
Fax: ..... (864) 297-1725  
Accepts: ..... Post-industrial, asphalt, concrete debris (separate loads)  
Quantity accepted: ..... Any amount (pickup service available for large quantities of asphalt)

*Note: Service area in Greenville and Spartanburg counties. Asphalt and concrete should be relatively free of debris. Slabs or chunks of concrete containing rebar are acceptable.*

#### Holgorson-Johnson

Mailing Address: ..... P.O. Box 362, Fair Forest, SC 29336  
Phone: ..... (864) 576-8209  
Fax: ..... (864) 576-8051  
Accepts: ..... Concrete, brick, block, asphalt  
Quantity accepted: ..... Any amount

#### Horry County Solid Waste Authority

Location and Mailing Address: ..... 1886 Hwy. 90, Conway, SC 29526  
Phone: ..... (843) 347-4328  
Accepts: ..... Brush trimmings, tree waste, wood pallets, construction/lumber trim, demolition, preservative treated wood, engineered wood

#### Noble Corporation

Location and Mailing Address: ..... 2349 Hwy. 301 S., Dillon, SC 29536  
Phone: ..... (843) 774-0091  
Accepts: ..... Mixed construction and demolition debris, composting

**PP&S, Inc.**

Location and Mailing Address: ..... 1000 Poinsett Hwy., Greenville, SC 29609  
Phone: ..... (864) 233-1990  
Fax: ..... (864) 233-9628  
Accepts: ..... Asphalt  
Quantity accepted: ..... Any amount, will pick up

*Note: Materials must be solid and machine accessible. Service area is statewide.*

**Quality Wood Recycling**

Location and Mailing Address: ..... 913 Cline St., Newberry, SC 29108  
Phone: ..... (803) 276-1127  
Accepts: ..... Wood pallets, construction/lumber trim, scrap wood

**RDJ Recycling**

Location and Mailing Address: ..... 219 Basswood, Summerville, SC 29483  
Phone: ..... (843) 821-6699  
Accepts: ..... Wood pallets, construction/lumber trim, demolition, engineered wood

**Robert O. Collins Company, Inc.**

Location and Mailing Address: ..... 6800 Collins Rd., N. Charleston, SC 29418  
Phone: ..... (843) 552-1408  
Fax: ..... (843) 552-8411  
Accepts: ..... Concrete, clearing debris and waste excavation  
Quantity accepted: ..... Any amount (provides pickup service)

*Note: Service area in Berkeley, Charleston, Colleton, Dorchester and Horry counties*

**Sanders Brothers**

Location and Mailing Address: ..... 1990 Harley St., N. Charleston, SC 29406  
Phone: ..... (843) 744-4261  
Fax: ..... (843) 554-2095  
Accepts: ..... Concrete, asphalt, bricks, blocks

*Note: Service area is statewide.*

**TODCO, Inc.**

Location and Mailing Address: ..... 1123 Roy Lopp Rd., Lexington, NC 27292  
Phone: ..... (336) 248-2001  
Fax: ..... (336) 248-8835  
Accepts: ..... Scrap lumber, wood pallets, leaves, yard waste and land clearing debris  
Quantity accepted: ..... Any amount, clean

## Metals

*Widely accepted throughout the state, call 1-800-768-7348 for a processor near you.*

*For the most current listing of South Carolina recycling businesses and county recycling programs, call 1-800-768-7348 for a FREE copy of "South Carolina Recycles: A Directory of Recycling Programs and Markets."*

## Vinyl Siding

### Rondy & Company

Location and Mailing Address: ..... Rt. 5, Hwy. 28 Bypass E., Abbeville, SC 29620  
Phone: ..... (864) 459-9613  
Fax: ..... (864) 459-8081  
Accepts: ..... Vinyl siding (all types of plastic)  
Quantity accepted: ..... Minimum 20,000 lbs. or half a truckload

*Note: A sample is required.*

## Wood

### Anderson Woodwaste & Recycling

Location and Mailing Address: ..... 685 Monitor Dr., Anderson, SC 29624  
Phone: ..... (864) 226-2629  
Accepts: ..... Wood pallets, construction/lumber trim, engineered wood, crates, spools

### Bob Hammond Construction/Hammond Wood Recycling

Location and Mailing Address: ..... 530 Beech Hill Rd., Summerville, SC 29485  
Phone: ..... (843) 832-8972  
Fax: ..... (843) 761-2826  
Accepts: ..... Clearing debris, yard trash, clean lumber and pallets  
Quantity accepted: ..... Any amount

*Note: Service area in Berkeley, Charleston and Dorchester counties*

### Carolina Custom Pallets

Location and Mailing Address: ..... 405 Pine Hills Rd., Woodruff, SC 29388  
Phone: ..... (864) 433-0445  
Fax: ..... (864) 433-0680  
Accepts: ..... Wooden pallets and scrap wood  
Quantity accepted: ..... Any amount

*Note: Service area is Woodruff, 50-mile radius.*

### Cryovac

Location and Mailing Address: ..... 100 Rogers Bridge Rd., Duncan, SC 29334  
Phone: ..... (843) 433-3471  
Fax: ..... (843) 433-2689  
Accepts: ..... Paper, cardboard, printer cartridges, aluminum cans, plastic,  
batteries, packaging materials, scrap metal, scrap wood

*Note: We are always looking for new markets.*

### Davis Disposal & Recycling, Inc.

Location and Mailing Address: ..... 425 N. Governor Williams Hwy., Darlington, SC 29532  
Phone: ..... (843) 393-6642  
Fax: ..... (843) 393-1624  
Accepts: ..... Waste wood and cardboard  
Quantity accepted: ..... Will pick up if quantity is sufficient. Deliveries accepted.

*Note: Mobile tub grinder, on-site services*

**EJE Recycling & Disposal, Inc.**

Location and Mailing Address: ..... 802 Recycling Ln., Greenville, NC 27834  
Phone: ..... (252) 752-8274  
Fax: ..... (252) 752-9016  
Accepts: ..... Yard waste, land-clearing debris  
Quantity accepted: ..... Call for details

**Gro-Bark**

Location and Mailing Address: ..... Hwy. 278 W., McCormick, SC 29835  
Phone: ..... (803) 465-3331  
Fax: ..... (803) 465-2002  
Accepts: ..... Timber mill bark  
Quantity accepted: ..... Call for details

**Harris Timber Company, Inc.**

Location: ..... Ladson, SC 29456  
Phone: ..... (843) 514-2078  
Fax: ..... (843) 514-2079

*Note: Grinder service for clearing debris (on-site service)*

**Horry County Solid Waste Authority**

See General C&D Debris section.

**International Paper**

Location and Mailing Address: ..... 4001 McCords Ferry Rd., Eastover, SC  
Phone: ..... (803) 353-7500  
Fax: ..... (803) 353-7705  
Accepts: ..... Old pallets, tree bark  
Quantity accepted: ..... Any amount

*Note: Service area in the Midlands*

**Pallet Removal & Repair Service**

Location and Mailing Address: ..... 1334 Elbert Taylor Rd., Pelion, SC 29123  
Phone: ..... (803) 894-3082  
Accepts: ..... Pallets  
Quantity accepted: ..... Any amount, pickup service provided

*Note: Service area in Central and western South Carolina and Augusta, Georgia*

**Postec Recycling, Inc.**

Location and Mailing Address: ..... 730 Burcale Rd., Myrtle Beach, SC 29526-1004  
Phone: ..... (843) 236-0112  
Accepts: ..... Tree waste, wood pallets, construction/lumber trim, demolition, engineered wood

**Poultry Power Brands**

Location and Mailing Address: ..... 100 PSA Rd., N. Augusta, SC 29841  
Phone: ..... (803) 278-6890  
Fax: ..... (803) 808-1635  
Accepts: ..... Bio-solids, fly ash, wood chips  
Quantity accepted: ..... Any amount, loose

*Note: Service area is statewide.*

**Quality Wood Recycling**

See General C&D Debris section.

**R24 Lumber Company**

Mailing Address: ..... P.O. Box 411191, Charlotte, NC 28241  
Phone: ..... (704) 587-0095  
Accepts: ..... Short random lengths of dimensional lumber 2x4's through 2x12's

**RDJ Recycling**

See General C&D Debris section.

**Simco, Inc. of Charleston**

Location and Mailing Address: ..... 145 King St., Suite 100, Charleston, SC 29401  
Phone: ..... (843) 577-9602  
Fax: ..... (843) 577-9603  
Accepts: ..... Wood and bark  
Quantity accepted: ..... 200 tons or more (pickup service provided)

*Note: Service area is statewide.*

**Southern Paper Recovery**

Location and Mailing Address: ..... 1926 W. Gwinnett St., Savannah, GA 31402  
Phone: ..... (912) 232-4413  
Fax: ..... (912) 233-0355  
Accepts: ..... Paper, glass, plastics, wood  
Quantity accepted: ..... Any amount

**TODCO, Inc.**

See General C&D Debris section.

***These listings are provided to DHEC's Office of Solid Waste Reduction and Recycling voluntarily by the listed organizations and are accepted in good faith to be accurate and true. This listing does not imply any endorsement or approval by DHEC.***

# Appendix III:

## Distributors of Recycled Content Building Materials and Products

This listing is provided based on information from the manufacturers of the products to the U.S. Environmental Protection Agency and the American Plastics Council. The list of products and companies in this publication does not constitute any endorsement or any representative as to the quality or performance of the products by the S.C. Department of Health and Environmental Control or the S.C. Energy Office.

### Carpet

#### Image Industries

Mailing Address: ..... P.O. Box 5555, Armuchee, GA 30105  
Contact: ..... Barbara Topper  
Phone: ..... (706) 235-8444 or 1-800-722-2504  
Fax: ..... (706) 290-0004

#### Martin Color-Fi

Mailing Address: ..... P.O. Box 469, Edgefield, SC 29824  
Contact: ..... Customer Service  
Phone: ..... (803) 637-7000 or 1-800-843-6382  
Fax: ..... (803) 637-7117

### Carpet Cushion

#### Collins & Aikman Floorcoverings

Location: ..... 311 Smith Industrial Boulevard, Dalton, GA  
Mailing Address: ..... P.O. Box 1447, Dalton, GA 30722-1447  
Contact: ..... Dobbin Callahan  
Phone: ..... (706) 259-9711

#### Carpenter Company

Mailing Address: ..... P.O. Box 27205, Richmond, VA 23261  
Contact: ..... Bob Taggart  
Phone: ..... (804) 359-0800  
Fax: ..... (804) 358-5873

#### Dixie Manufacturing Corporation

Location and Mailing Address: ..... 100 Colley Avenue, Norfolk, VA 23510  
Contact: ..... Patsy Hall  
Phone: ..... (757) 625-8251  
Fax: ..... (757) 627-4589

#### Fairmont Company

Location and Mailing Address: ..... 2245 West Pershing Road, Chicago, IL 60609  
Contact: ..... Mike Beil  
Phone: ..... (312) 376-1300 or 1-800-621-6907  
Fax: ..... (312) 376-1300



### **Gaia Technologies**

Location and Mailing Address ..... 4710 Bellare Boulevard, #310, Bellare, TX 77401  
Phone: ..... (713) 661-5774  
Fax: ..... (713) 661-1677

### **Leggett & Platt**

Location and Mailing Address: ..... 100 Leggett Drive, Villa Rica, GA 30180  
Contact: ..... Gail Langley  
Phone: ..... (770) 459-1800

## **Countertops**

### **Envirosafe Products Corporation**

Location and Mailing Address: ..... 355 Eisenhower Parkway, Livingston, NJ 70391017  
Contact: ..... Stephan Lerman  
Phone: ..... (973) 535-1414  
Fax: ..... (973) 535-9235

*Comments: Customization available.*

### **Yemm & Hart, Ltd.**

Location and Mailing Address: ..... 1417 Madison 308, Marquand, MO 636559153  
Contact: ..... Stephen Yemm  
Phone: ..... (573) 783-5434  
Fax: ..... (573) 783-7544  
Website: ..... [www.yemmhart.com](http://www.yemmhart.com)

*Comments: Special order. Decorative recycled plastic.*

## **Decking/Lumber/Boardwalk Materials**

### **Amazing Recycled Products**

Mailing Address: ..... P.O. Box 312, Denver, CO 80201  
Contact: ..... Mary Jarrett  
Phone: ..... 1-800-241-2174  
Fax: ..... (303) 699-2102  
Website: ..... [www.amazingrecycled.com](http://www.amazingrecycled.com)

*Comments: Customization available. Available in cedar, weathered redwood, EPA approved product.*

*Decking available as stock item. Available in cedar and grey. Non-slip surface.*

### **American Earth Friendly Inc.**

Location and Mailing Address: ..... 542 Southeast Fifth Ave., Delray Beach, FL 33483  
Contact: ..... Bill Hazlett  
Phone: ..... (561) 276-4152  
Fax: ..... (561) 276-3865

*Comments: Stock item. Customization available.*

### **American Ecoboard, Inc.**

Location and Mailing Address: ..... 200 Finn Court, Farmingdale, NY 11735  
Contact: ..... Ron Kwiatkowski  
Phone: ..... (516) 753-5151  
Fax: ..... (516) 753-5165  
Website: ..... [www.americanecoboard.com](http://www.americanecoboard.com)

*Comments: Customization available.*

**American Recycled Plastics, Inc.**

Location and Mailing Address: ..... 1314 Neptune Drive #4, Boynton Beach, FL 33426  
Contact: ..... Michael Hazlett  
Phone: ..... (561) 733-8306  
Fax: ..... (561) 733-8869  
Website: ..... www.itsrecycled.com

*Comments: Customization available. Several colors available, 25 year warranty,  
waterproof, will never dry-rot or decay, not affected by insect infestation, great in areas  
where saltwater corrosion is a problem.*

**Bedford Industries, Inc.**

Location: ..... 1659 Rowe Ave., Worthington, MN 56187  
Mailing Address: ..... P.O. Box 39, MN 56187  
Contact: ..... Rachel Aanenson  
Phone: ..... 1-800-721-9037  
Fax: ..... (507) 376-6742  
Website: ..... www.bedfordind.com

*Comments: Customization available. Distributed by: Carefree Recycling Products, CO,  
(303)688-1212; or Center Industries Inc., IA.*

**Black Rhino Recycling**

Location and Mailing Address: ..... 4503 Lebanon Church Road, W. Mifflin, PA 15122  
Contact: ..... Keith Brody  
Phone: ..... (412) 460-0160 or 1-800-9RHINO-9  
Fax: ..... (412) 460-0166  
Website: ..... www.nauticom.net/www/arhino

*Comments: Stock item. Customization available. Structural, solid plastic lumber.  
National stock numbers available. Federal stock classification 5675.*

**B.T.W. Industries, Inc.**

Location and Mailing Address: ..... 3939 Hollywood Blvd., #3B, Hollywood, FL 33009  
Contact: ..... G. Gunzburger  
Phone: ..... (305) 962-2100  
Fax: ..... (305) 963-4778

*Comments: Customization available.*

**DMD, Inc.**

Location and Mailing Address: ..... 8216 Lake Providence Drive, Weddington, NC 28105  
Contact: ..... Vic Schroder  
Phone: ..... 1-888-332-5240

*Comments: Stock item. Solid recycled plastic lumber.*

**Eaglebrook Products**

Location and Mailing Address: ..... 2600 W. Roosevelt Rd., Chicago, IL 60608  
Contact: ..... Matt McDonough  
Phone: ..... (312) 491-2500  
Fax: ..... (312) 491-2501  
Website: ..... www.eaglebrook.com

*Comments: Stock item. Sold as Durawood.*

*For the most current listing of South Carolina recycling businesses and county recycling programs, call 1-800-768-7348  
for a FREE copy of "South Carolina Recycles: A Directory of Recycling Programs and Markets."*

**Eco-Tech, L.P.**

Location and Mailing Address: ..... 4004 W. Dayton Street, McHenry, IL 60050  
Contact: ..... Joe Sadlier  
Phone: ..... (815) 363-8570  
Fax: ..... (815) 363-8594

*Comments: Stock item. Customization and custom order available.*

**Energy & Environmental Concepts, Inc.**

Location and Mailing Address: ..... 325 S. Spruce St., Traverse City, MI 49684  
Contact: ..... Steven Kopacki  
Phone: ..... 1-800-968-9998 or (616) 947-4632  
Fax: ..... 1-800-968-9998  
Content: ..... 100%, Post-Consumer

*Comments: Stock item. Sold as Duro-Tech.*

**Environmental Specialty Products - Division of USPL**

Mailing Address: ..... P.O. Box 1114 2825 Old Brookside Rd., Guasti, CA 917431114  
Contact: ..... Liz Head  
Phone: ..... 1-800-7-PIASTIC or (909) 390-8800  
Fax: ..... (909)390-8700

*Comments: Customization available. Stock item or special order.*

**Envirosafe Products Corporation**

See listing in Countertops.

*Comments: Special order. Customization available, stock item.*

*Various lengths and color, 2 X 2, 2 X 4, 2 X 6, 5/4 X 6.*

**Envirowood, Inc.**

Location and Mailing Address: ..... 501 W. Algonquin, Mt. Prospect, IL 60056  
Contact: ..... Don Pastor  
Phone: ..... 1-800-323-0830 or (847) 981-0310  
Fax: ..... (847) 981-0310  
Website: ..... [www.environment.com](http://www.environment.com)

*Comments: Customization available. 100% commingled recycled post-consumer plastics.*

**Hammer's Plastic Recycling**

Location and Mailing Address: ..... 10252 Hwy. 65, Iowa Falls, IA 501268823  
Contact: ..... Susan Waters  
Phone: ..... 1-800-338-1438  
Fax: ..... (515) 648-5074  
Website: ..... [www.hammersplastic.com](http://www.hammersplastic.com)

*Comments: Stock item. 2" X 2" to 10" X 10" up to 12'; gray, brown, or black available.*

**Marva Re-Sources, Inc.**

Location and Mailing Address: ..... 131 East Broad Street, Suite 201, Falls Church, VA 22046  
Contact: ..... Neville Martin  
Phone: ..... (703) 532-0867 or (301) 670-6137  
Fax: ..... (703) 241-8065

*Comments: Stock item. Customization available.*

**MBX Corporation**

Location and Mailing Address: ..... 207 N. 1st Avenue, Wausau, WI 544020929  
Contact: ..... Tom Olson  
Phone: ..... (715) 845-1171  
Fax: ..... (715) 848-1054  
Website: ..... www.mbxpkg.com

*Comments: Stock item. Customization available.*

**Phoenix Recycled Plastics**

Location and Mailing Address: ..... 225 Washington St., Conshohocken, PA 19428  
Contact: ..... Mark Siemon  
Phone: ..... (803) 237-1711  
Fax: ..... (803) 866-8724

*Comments: Stock item. Available in tongue and groove or eased edge in lengths to 40!  
Colors: white, grey, teak, weathered teak, oak and custom.*

**Quality Fence and Supply**

Location and Mailing Address: ..... 2670 Division Highway, New Holland, PA 17557  
Contact: ..... Paul Lapp  
Phone: ..... (717) 355-7100  
Fax: ..... (717) 355-7149

*Comments: Stock item*

**Recycled Plastic Man**

Mailing Address: ..... P.O. Box 3368, Venice, FL 34293  
Contact: ..... John Spencer  
Phone: ..... 1-800-253-7742  
Fax: ..... (941) 473-0131

*Comments: Stock item. Various shapes and sizes available.*

**Recycled Plastics Marketing**

Location and Mailing Address: ..... 2829 152nd Ave, NE, Redmond, WA 98052  
Contact: ..... Marc Lagen  
Phone: ..... 1-800-529-9110  
Fax: ..... (425) 867-3282  
Website: ..... www.rrpm.com

*Comments: Stock item. Carefree Decking. Building Products.*

**Trex Company, LLC**

Location and Mailing Address: ..... 20 South Cameron Street, Winchester, VA 22601  
Contact: ..... Customer Service  
Phone: ..... 1-800-BUY-TREX  
Fax: ..... (540) 678-1820  
Website: ..... www.trex.com

*Comments: Stock item. Sold as Trex Easy Care Decking. Call for nearest distributor.*

*For the most current listing of South Carolina recycling businesses and county recycling programs, call 1-800-768-7348  
for a FREE copy of "South Carolina Recycles: A Directory of Recycling Programs and Markets."*

### **Westmont Building Products**

Location and Mailing Address: ..... 200 E. Quincy, Westmont, IL 605591825  
Contact: ..... Steve Kowalski  
Phone: ..... 1-800-688-3420  
Fax: ..... (630) 968-0285

*Comments: Stock item. Sold as Trex. 50% HDPE/LDPE, 50% wood fiber, dimensional lumber.*

### **WhiteHall Products, Inc.**

Location and Mailing Address: ..... P.O. Box 3348, Tampa, FL 33601  
Contact: ..... Michael Bodnar  
Phone: ..... 1-800-262-1258  
Fax: ..... (813) 248-2349  
Website: ..... www.whitehall-products.com

*Comments: Customization available.*

### **Yemm & Hart, Ltd.**

See listing in Countertops.

*Comments: Stock item. Pure content recycled HDPE; available in many bright colors and dimensions.*

## **Doors**

### **Envirosafe Products Corporation**

See listing in Countertops.

*Comments: Customization available.*

## **Drain Troughs**

### **REPLASTEC, Inc.**

Location and Mailing Address: ..... Erie Industrial Pk. Building #460, Port Clinton, OH 43452  
Contact: ..... Thomas Fought  
Phone: ..... 1-800-800-6763 or (419) 635-4000  
Fax: ..... (419) 635-4004

*Comments: Special order. Used in waterproofing basements.*

## **Fencing**

### **Energy & Environmental Concepts Inc.**

See listing in Decks/Lumber/Boardwalk.

*Comments: Stock item. Sold as Duro-Tech.*

### **Lido, Inc.**

Location and Mailing Address: ..... 408 S. Troy Str., Aurora, CO 80012  
Contact: ..... Ken Self  
Phone: ..... (303) 364-8187  
Fax: ..... 1-800-998-9878

*Comments: Customization available. Dimensional ecological lumber system.*

### **Quality Fence and Supply**

See in Decking/Lumber/Boardwalk.

Content: ..... 0-100%, Post-Consumer

*Comments: Stock item.*

**Trex Company, LLC**  
See listing in Decks/Lumber/Boardwalk.

**Flooring**

**Carlisle Tire and Rubber Company**  
Mailing Address: ..... P.O. Box 99, Carlisle, PA 17013  
Contact: ..... John Yaw  
Phone: ..... 1-800-851-4746  
Fax: ..... (717) 249-0011  
*Comments: Tiles*

**Design Recycle**  
Location and Mailing Address: ..... 11103 Brookdale Lane, Upper Marlboro, MD 20772  
Contact: ..... James Ingram  
Phone: ..... (301) 952-9137  
Fax: ..... (301) 952-1781  
*Comments: Tiles*

**Dodge-Regupol, Inc.**  
Mailing Address: ..... P.O. Box 989, Lancaster, PA 17608-0989  
Contact: ..... John Hollern or John Aten  
Phone: ..... (717) 295-3400  
Fax: ..... (717) 295-3414  
*Comments: Tiles*

**Durable Corporation**  
Location: ..... 75 North Pleasant Street, Norwalk, OH  
Mailing Address: ..... P.O. Box 290, Norwalk, OH 44857  
Contact: ..... Tom Secor, Sales Department  
Phone: ..... 1-800-537-1603 or (419) 668-8138  
Fax: ..... 1-800-537-6287 or (419) 668-8068  
*Comments: Tiles*

**Earth Safe, Inc.**  
Mailing Address: ..... P.O. Box 1401, Marstons Mills, MA 02648-0014  
Contact: ..... Stephen L. Orbe  
Phone: ..... (508) 420-5681  
Fax: ..... (508) 420-4214  
*Comments: Tiles*

**Ecodesign by Exerflex**  
Location and Mailing Address: ..... 6801 Lake Plaza Suite A-105, Indianapolis, IN 46220  
Contact: ..... Mark Center  
Phone: ..... 1-800-428-5306  
Fax: ..... (317) 842-5384  
*Comments: Customization available. Sold as ECO-Design Exerclip.  
Substitute wood flooring for retail and restaurant applications,high/low aerobics,  
dance, step training and sliding. Interlocking tile, plank flooring.*



**Enviro-Cycle, Inc.**

Location and Mailing Address: ..... P.O. Box 921581, Norcross, GA 30092  
Contact: ..... Gary Petersen  
Phone: ..... (770) 840-7010  
Fax: ..... (770) 441-7621

*Comments: Tiles*

**Envirosafe Products Corporation**

See listing in Countertops.

*Comments: Customization available. Sold as Permafloor. Special order. Tile.*

**Hi-Tech Home Improvement, Ltd.**

Location and Mailing Address: ..... 4555-31 Groves Road, Columbus, OH 43232  
Contact: ..... Hans Schaffnit  
Phone: ..... (614) 856-3122  
Fax: ..... (614) 575-1206

*Comments: Stock item. Sold as The Hi-Tech Deck. Solid recycled plastic lumber.*

**Marley Flexco**

Location and Mailing Address: ..... 1401 East Sixth Street, Tuscumbia, AL 35674  
Contact: ..... Keith Coates  
Phone: ..... 1-800-633-3151 or (205) 383-7474  
Fax: ..... (205) 381-0322

*Comments: Tiles*

**New Pig Corporation**

Location and Mailing Address: ..... 1 Pork Avenue, Tipton, PA 16684-0304  
Contact: ..... Customer Service  
Phone: ..... (814) 684-0101  
Fax: ..... (814) 684-0608

*Comments: Tiles*

**Oscoda Plastics, Inc.**

Location and Mailing Address: ..... 5585 North Huron Avenue, Oscoda, MI 48750  
Contact: ..... Ken Szabo  
Phone: ..... 1-800-544-9538 or (517) 739-6900  
Fax: ..... (517) 739-1494

*Comments: Tiles*

**Plastic Lumber Company, Inc.**

Location and Mailing Address: ..... 540 S. Main St. Building #7, Akron, OH 443111010  
Contact: ..... Alan E. Robbins  
Phone: ..... 1-800-886-8990  
Fax: ..... (330) 762-1613  
Website: ..... [www.plasticlumber.com](http://www.plasticlumber.com)  
Comments: ..... Stock item. 43 different lumber dimensions.

**Premier Tiles**

Location and Mailing Address: ..... 17 Wexford Drive, Monmouth Junction, NJ 08852  
Contact: ..... Salvatore J. Capobianco  
Phone: ..... (561) 791-0288 or (732) 438-1356  
Fax: ..... (732) 329-6048

*Comments: Tiles*

**RB Rubber Products, Inc.**

Location and Mailing Address: ..... 904 East 10th Avenue, McMinnville, OR 97128  
Contact: ..... Craig Latham  
Phone: ..... 1-800-525-5530 or (503) 472-4691

*Comments: Tiles*

**Selectech, Inc.**

Location and Mailing Address: ..... 15 Fourth Street, Taunton, MA 2780  
Contact: ..... Michael Buck  
Phone: ..... (508) 828-4200  
Fax: ..... (508) 828-4201

*Comments: Stock item. Tile. Selectile 2' X 2' X 22" interlocking edges.*

**Tennessee Mat Co., Inc.**

Location and Mailing Address: ..... 1414 Fourth Avenue, South, Nashville, TN 37210  
Contact: ..... Sharon Norwood  
Phone: ..... 1-800-264-3030 or (615) 254-8381  
Fax: ..... (615) 255-4428

*Comments: Tiles*

**Turtle Plastics Company**

Location and Mailing Address: ..... 7450 A Industrial Parkway, Lorain, OH 440532064  
Contact: ..... Tom Norton  
Phone: ..... (440) 282-8008  
Fax: ..... (440) 282-8822  
Website: ..... www.turtleplastics.com

*Comments: Stock item. Garage and basement.*

*100% recycled modular floor mats solid surface or drainage holes, 20 colors.*

**Unity Creations, Ltd.**

Location and Mailing Address: ..... 6 Ditomas Court, Copiague, NY 11726  
Contact: ..... Sales Department  
Phone: ..... 1-800-293-9822 or (516) 841-2620  
Fax: ..... (516) 841-2613

*Comments: Tiles*

**U.S. Rubber Recycling**

Location and Mailing Address: ..... 10440 Trademark Street, Rancho Cucamonga, CA 91730  
Contact: ..... Theresa Johnson  
Phone: ..... (909) 466-4365  
Fax: ..... (909) 466-4367

*Comments: Tiles*

**Yemm & Hart, Ltd.**

See listing in Countertops.

*Comments: Stock item. Sold as Flexisurf. Resilient. Comes in colors, sheets, and interlocking tiles.*

*Special order. Origins Tile. Made from decorative recycled plastic - 6", 12", 18" and 24" squares.*

*Customization available.*

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# Insulation

## All-Weather Insulation

Location and Mailing Address: ..... 5309 Bardstown Road, Springfield, KY 40069  
Contact: ..... Pat Clements  
Phone: ..... (606) 336-3931  
Fax: ..... (606) 336-9289

## American Rockwool, Inc.

Mailing Address: ..... P.O. Box 880, Spring Hope, NC 27882  
Contact: ..... Bart Bromley  
Phone: ..... 1-800-334-0394 or (919) 478-5111  
Fax: ..... (919) 478-4172

## Apache Products Company

Mailing Address: ..... P.O. Box 7111, Jackson, MS 39212  
Contact: ..... Gary Beaver  
Phone: ..... 1-800-648-2154  
Fax: ..... (601) 373-0770

## Applegate Insulation Systems, Inc.

Location and Mailing Address: ..... 762 Stonecypher Street, Cornelia, GA 30531  
Contact: ..... Don Coleman or Billy Turk  
Phone: ..... 1-888-427-7534 or (706) 778-2919  
Fax: ..... (706) 778-7940

## Atlas Roofing Corporation

Location and Mailing Address: ..... 1775 The Exchange, Suite 160, Atlanta, GA 30339  
Contact: ..... Sales Department  
Phone: ..... 1-800-933-1476  
Fax: ..... (770) 955-6207

## Benchmark Foam, Inc.

Location and Mailing Address: ..... 3200 9th Ave. SE, Watertown, SD 572019102  
Contact: ..... Brenda Hansen  
Phone: ..... (605) 886-8084  
Fax: ..... (605) 886-8099

*Comments: Stock item.*

## Cell-Pak, Inc.

Mailing Address: ..... P.O. Box 1023, Decatur, AL 35602  
Contact: ..... Ken Boster  
Phone: ..... (205) 350-3311  
Fax: ..... (205) 350-0308

## Celotex Corporation

Location and Mailing Address: ..... 4010 Boy Scout Boulevard, Tampa, FL 33607  
Contact: ..... Lecil Colburn  
Phone: ..... (813) 873-1700  
Fax: ..... (813) 873-4103

### **Envirosafe Products Corporation**

See listing in countertops.

*Comments: Stock item. For roof, wall and foundation applications.*

### **Firestone Building Products**

Location and Mailing Address: ..... 525 Congressional Boulevard, Carmel, IN 46032

Contact: ..... James McKaney

Phone: ..... 1-800-428-4442

Fax: ..... (317) 575-7100

### **Homasote Company**

Mailing Address: ..... P.O. Box 7240, West Trenton, NJ 08628-0240

Contact: ..... Les Kugler

Phone: ..... (609) 883-3300 or (609) 883-1272

Fax: ..... (609) 530-1584

### **Pacemaker Plastics Company, Inc.**

Mailing Address: ..... P.O. Box 279 126 New Pace Rd., Newcomerstown, OH 43832

Contact: ..... Mike Bennett

Phone: ..... (740) 498-4181

Fax: ..... (740) 498-4184

*Comments: Stock item. Sold as Chemfoam or Pip. For roof, wall and foundation applications.*

*Roofing insulation. Sold as Perform.*

### **Perma-Flake Corporation**

Mailing Address: ..... P.O. Box 4653, Greenville, MS 38704

Contact: ..... Gloria Davis

Phone: ..... (601) 334-9852

### **Rock Wool Manufacturing Company**

Location: ..... 203 North Seventh Street, Leeds, AL

Mailing Address: ..... P.O. Box 506, Leeds, AL 35094

Contact: ..... W.J. Brayman

Phone: ..... (205) 699-6121

Fax: ..... (205) 699-3132

### **Suncoast Insulation Manufacturing Company**

Location and Mailing Address: ..... 19321-C Highway 19, North, Clearwater, FL 33764

Contact: ..... Alfred J. Vincelli

Phone: ..... 1-800-666-4824

### **Tennessee Cellulose Insulation**

Location and Mailing Address: ..... 60 Davy Crockett Park Road, Limestone, TN 37681

Contact: ..... Gary Bowers

Phone: ..... (423) 257-2051

Fax: ..... (423) 257-4821

### **Thermal Foams, Inc.**

Location and Mailing Address: ..... 2101 Kenmore Ave., Buffalo, NY 14207

Contact: ..... Dave Wopperer

Phone: ..... 1-800-333-6267

Fax: ..... (716) 874-8180

*Comments: Special order. Made from expanded polystyrene foam.*

### **U.S. Fiber**

Location and Mailing Address: ..... 145 Factory Street, Ronda, NC 28670  
Contact: ..... Larry Taylor  
Phone: ..... 1-800-992-2468 or (910) 835-2048  
Fax: ..... (910) 835-8667

### **U.S. Gypsum Corporation**

Location and Mailing Address: ..... 125 South Franklin Street, Chicago, IL 60606  
Contact: ..... David McCrowskie  
Phone: ..... (312) 606-4000  
Fax: ..... (312) 606-4093

## **Molding**

### **Timbron International**

Location: ..... 4331 Pock Lane, Stockton, CA  
Mailing Address: ..... P.O. Box 30308 (95213), Stockton, CA 95206  
Contact: ..... Bob Simpson  
Phone: ..... (209) 983-8393  
Fax: ..... (209) 983-5255

*Comments: Stock item. Will be available through Home Depot.*

### **Envirosafe Products Corporation**

See listing in Countertops.

*Comments: Customization available. Available in various colors and sizes; water and insect proof.*

## **Paint (Latex)**

### **Banner Manufacturing**

Location and Mailing Address: ..... 7900 East 40th Avenue, Denver, CO 80207  
Contact: ..... Ken Valis, President  
Phone: ..... (303) 316-9268  
Fax: ..... (303) 316-9371

*Comments: Makes 10 colors of reprocessed and consolidated interior and exterior flat latex paint.*

### **E Coat (A Division of Kelly Moore)**

Location and Mailing Address: ..... 5101 Raley Boulevard, Sacramento, CA 95838  
Contact: ..... Ray Julian  
Phone: ..... 1-800-874-4436, Ext. 198 or (916) 921-0165  
Fax: ..... (916) 921-0184

### **Eco Paint Company**

Mailing Address: ..... P.O. Box 12316, Orange, CA 92859  
Contact: ..... Laurie Murphy  
Phone: ..... (714) 289-7070  
Fax: ..... (714) 289-7073

### Paint Solutions

Mailing Address: ..... P.O. Box 2707, Saint Louis, MI 63116  
Contact: ..... Nancy Niemeyer  
Phone: ..... (314) 776-0071  
Fax: ..... (314) 776-0866

*Comments: Makes reprocessed flat latex interior and exterior paints.*

### Passonno Paints

Location and Mailing Address: ..... 500 Broadway, Watervliet, NY 12189  
Contact: ..... Keri Cunningham-O'Brien  
Phone: ..... (518) 273-3822, Ext. 224 or (518) 489-1910  
Fax: ..... (518) 273-1566

### Southwest Paint Recyclers, Inc.

Location and Mailing Address: ..... 5445 Edith Boulevard, NE., Albuquerque, NM 87107  
Contact: ..... Sales Department  
Phone: ..... (505) 345-0931  
Fax: ..... (505) 345-7421

*Comments: Makes a total of eleven colors in three types of reprocessed latex paint.*

## Pipe (Corrugated)

### Crumpler Plastic Pipe, Inc.

Mailing Address: ..... P.O. Box 2068 Hwy. 24 E., Roseboro, NC 28382  
Contact: ..... Houston L. Crumpler, Jr.  
Phone: ..... 1-800-334-5071 or (910) 525-4046  
Fax: ..... (910) 525-5801  
Website: ..... www.cpp-pipe.com

*Comments: Stock item. ASTM-F-405, ASTM-F-667, AASHTO-M-252, AASHTO-M-294.*

## Railing

### American Recycled Plastics, Inc.

See listing in Decking/Lumber/Boardwalk.

*Comments: Customization available. Several colors available, 25 year warranty, waterproof, will never dry-rot or decay, not affected by insect infestation, great in areas where saltwater corrosion is a problem, BOCA approved nationally.*

## Trim

### Envirosafe Products Corporation

See listing in Countertops.

*Comments: Customization available. Various colors and lengths.*

*For the most current listing of South Carolina recycling businesses and county recycling programs, call 1-800-768-7348 for a FREE copy of "South Carolina Recycles: A Directory of Recycling Programs and Markets."*



## Vents

### **Pacemaker Plastics Company, Inc.**

Location: ..... 126 New Pace Rd., Newcomerstown, OH 43832  
Mailing Address: ..... P.O. Box 279, Newcomerstown, OH  
Contact: ..... Mike Bennett  
Phone: ..... (740) 498-4181  
Fax: ..... (740) 498-4184

*Comments: Stock item. Sold as Snap-it Vents.*

## Wallboards

### **Envirosafe Products Corporation**

See listing in Decks/Lumber/Boardwalk.

*Comments: Customization available. Duraplast wallboard 4 X 8 and 4 X 10-1/4-1" thick.*

# Appendix IV:

## C&D Debris Proper Disposal Requirements

The S.C. Department of Health and Environmental Control (DHEC) regulates waste materials that are produced as a result of construction and demolition (C&D) activities. The information on this page could be very important to you as all contractors, builders and property owners are responsible for making sure that they follow state disposal regulations.

- ✖ **Recycling:** Proper reuse and recycling of construction and demolition debris is encouraged. Items such as brick, block, wood, cardboard and shingles are accepted for recycling. A list of recycling facilities located in your area is included for your information. If you would like to learn more about C&D debris recycling, call 1-800-768-7348.
- ✖ **C&D Landfills:** Items that may be disposed of in a C&D landfill include, but are not limited to: bricks, blocks, plaster, plasterboard, shingles, roofing materials, hardened/cured asphalt, non-asbestos containing floor coverings, glass, hardened concrete, lumber, insulation material, floor and wall tiles. Some items that may NOT be disposed of in a C&D landfill include, but are not limited to: paint and paint cans, caulking materials, including empty caulking tubes, hazardous materials, friable asbestos or anything that has been in contact with petroleum products and more. For a C&D landfill in your area, contact your local DHEC District Office.
- ✖ **Asbestos:** Before renovation or demolition of any building, an asbestos survey must be done to determine if asbestos is present. To find out more about this requirement or if you have any other questions regarding the regulatory requirements for asbestos removal contact DHEC's Asbestos Section at (803) 898-4289.

- ✖ **Lead-based Paint:** All materials containing lead-based paint must be disposed of at a Municipal Solid Waste Landfill. Materials containing or covered with lead paint CANNOT be disposed of in a C&D landfill. If you have items that you are not sure about, take them to a lined Municipal Solid Waste Landfill or call your local DHEC District Office. Waste that is scraped off boards and contains mostly lead-based paint may need to be disposed of at a Hazardous Waste Facility. For guidance on this topic, call DHEC's Division of Hazardous and Infectious Waste at (803) 896-4172.
- ✖ **Open Dumping:** OPEN DUMPING IS ILLEGAL! Open dumping is considered the disposal of waste on any property that is not permitted by DHEC as a disposal facility. It is considered open dumping even if you have the permission of the property owner. Open dumping of any waste including C&D waste, municipal solid waste and land-clearing debris can result in penalties of up to \$10,000 per day of violation and/or criminal penalties including prison. Any and all equipment used for open dumping can be confiscated.
- ✖ **Open Burning:** OPEN BURNING OF C&D WASTE IS ILLEGAL! Open burning of land-clearing debris is highly restricted and in many areas entirely banned. For more information regarding this, please call your local DHEC District Office or DHEC's Bureau of Air Quality at (803) 898-4213.

If you have any questions or need additional information, please call your DHEC District Office (see list on the following page) or DHEC's Bureau of Land and Waste Management at (803) 896-4000.

# S.C. DHEC Environmental Quality Control District Offices

## Appalachia I

Location and Mailing Address: ..... 2404 North Main Street, Anderson, SC 29621  
Phone: ..... (864) 260-5569  
Fax: ..... (864) 260-4855  
Counties Served: ..... Anderson, Oconee

## Appalachia II

Location and Mailing Address: ..... 301 University Ridge, Suite 5800, Greenville, SC 29601-3677  
Phone: ..... (864) 241-1090  
Fax: ..... (864) 241-1092  
Counties Served: ..... Greenville, Pickens

## Appalachia III

Location and Mailing Address: ..... 975-C North Church St., Spartanburg, SC 29302-2712  
Phone: ..... (864) 596-3800  
Fax: ..... (864) 596-2136  
Counties Served: ..... Cherokee, Spartanburg, Union

## Catawba

Mailing Address: ..... P.O. Box 100, Fort Lawn, SC 29714  
Phone: ..... (803) 285-7461  
Fax: ..... (803) 285-5594  
Counties Served: ..... Chester, Lancaster, York

## Central Midlands

Location: ..... 8500 Farrow Rd, Bldg #5, State Park, SC  
Mailing Address: ..... P.O. Box 156, State Park, SC 29147  
Phone: ..... (803) 935-7015  
Fax: ..... (803) 935-6724  
Counties Served: ..... Fairfield, Lexington, Newberry, Richland

## Low Country

Location and Mailing Address: ..... 1313 Thirteenth Street, Port Royal, SC 29935  
Phone: ..... (843) 522-9097  
Fax: ..... (843) 522-8463  
Counties Served: ..... Beaufort, Colleton, Hampton, Jasper

## Lower Savannah

Location and Mailing Address: ..... 206 Beaufort Street, NE, Aiken, SC 29801  
Phone: ..... (803) 641-7670  
Fax: ..... (803) 641-7675  
Counties Served: ..... Aiken, Allendale, Bamberg, Barnwell, Calhoun, Orangeburg

## Pee Dee

Location and Mailing Address: ..... 145 East Cheves St., Florence, SC 29506  
Phone: ..... (843) 661-4825  
Fax: ..... (843) 661-4858  
Counties Served: ..... Darlington, Dillon, Chesterfield, Florence, Marion, Marlboro

**Trident**

Location and Mailing Address: ..... 1362 McMillan Avenue, Suite 300, Charleston, SC 29405  
Phone: ..... (843) 740-1590  
Fax: ..... (843) 740-1595  
Counties Served: ..... Berkeley, Charleston, Dorchester

**Upper Savannah**

Location and Mailing Address: ..... 613 South Main St., Greenwood, SC 29646  
Phone: ..... (864) 223-0333  
Fax: ..... (864) 223-6935  
Counties Served: ..... Abbeville, Edgefield, Greenwood, Laurens, McCormick, Saluda

**Waccamaw**

Location and Mailing Address: ..... 1705 Oak Street Plaza, Suite #2, Myrtle Beach, SC 29577  
Phone: ..... (843) 448-1902  
Fax: ..... (843) 946-9390  
Counties Served: ..... Georgetown, Horry, Williamsburg

**Wateree**

Location: ..... 105 Magnolia St., Sumter, SC  
Mailing Address: ..... P.O. Box 1628, Sumter, SC 29151  
Phone: ..... (803) 778-6548  
Fax: ..... (803) 773-6366  
Counties Served: ..... Clarendon, Kershaw, Lee, Sumter

# Appendix V:

## Acceptable Waste for C&D

### and Land-Clearing Debris Landfills

The following types of waste have been determined by the S.C. Department of Health and Environmental Control to be environmentally safe and may be accepted at construction, demolition & land-clearing debris landfills unless specifically prohibited by the Department. However, any of the materials listed in this appendix that have been painted with lead-based paint and/or have been in direct contact with hazardous constituents (e.g., pesticides, etc.), or petroleum products, are prohibited from disposal at a construction, demolition and land-clearing debris landfill.

#### Acceptable C&D Demolition Debris:

- ✕ structural steel
- ✕ hardened concrete
- ✕ bricks and blocks
- ✕ lumber
- ✕ tires\*
- ✕ plaster and plasterboard
- ✕ insulation material
- ✕ shingles and roofing materials
- ✕ floor, wall and ceiling tile
- ✕ hardened/cured asphalt\*\*
- ✕ pipes
- ✕ hardened cement
- ✕ floor coverings
- ✕ glass wire (optical fiber)
- ✕ other structural fabrics

- ✕ poly fiberglass (highly polished, wall coverings cured material used for shower stalls, roofing, etc.)
- ✕ other items physically attached to the structure, e.g., signs, mailboxes, awnings, etc.
- ✕ glass
- ✕ nonfriable asbestos-containing material\*\*\*
- ✕ mirrors

#### Acceptable Land-Clearing Debris:

- ✕ earthen material, e.g., clays, top soil, sands, gravels and silts
- ✕ vegetation
- ✕ logs
- ✕ rock
- ✕ tree stumps
- ✕ brush and limbs
- ✕ root mats

\* Tires shall be reduced in size by a minimum of one-eighth the size of the original tire prior to landfill disposal.

\*\* Tar sealant material is not acceptable.

\*\*\* Nonfriable asbestos-containing material which is in good condition and has not been handled in such a way as to render it a regulated material and thus subject to Bureau of Air Quality Control (BAQC) Regulation 61-86.1 (Standards of Performance for Asbestos Abatement Operations) and the National Emissions Standards for Hazardous Air Pollutants [40 CFR 61 Subpart M] is

acceptable. Record keeping of all asbestos-containing material shall be in accordance with Bureau of Air Quality Control Regulation 61-86.1 (Standards of Performance for Asbestos Abatement Operations) and the National Emissions Standards for Hazardous Air Pollutants [40 CFR 61, and Subpart M]. Prior to disposal of any nonfriable asbestos-containing material, the generator of the asbestos waste shall have a "permission for disposal" letter from the Department.

# Appendix VI:

## Unacceptable Waste for C&D and Land-Clearing Debris Landfills

The following types of waste have been determined to pose a potential threat to the environment and may not be accepted at construction, demolition and land-clearing debris landfills.

*Any waste that has been in contact with **lead-based paint** such as:*

- ✘ plaster and plasterboard
- ✘ metal poles
- ✘ concrete
- ✘ painting equipment
- ✘ wall paper
- ✘ mechanical parts
- ✘ containers (cans, buckets, etc.)
- ✘ lumber (siding, cabinets, shingles, etc.)

*Any waste that has been in contact with **petroleum products** such as:*

- ✘ storage tanks
- ✘ containers, filters (oil, etc.)
- ✘ pipes
- ✘ mechanical/machine parts
- ✘ soil
- ✘ absorbent (vermiculite)
- ✘ concrete
- ✘ paper towels and rags

*Any waste that has been in contact with **friable asbestos material** such as:*

- ✘ pipe insulation
- ✘ broken/chipped floor tiles
- ✘ asbestos-cement products that have been crumbled/pulverized
- ✘ friable asbestos containing material
- ✘ roofing material that has been cut with a saw

*Any waste that has been in contact with **Polychlorinated Biphenols (PCBs)** such as:*

- ✘ transformers
- ✘ capacitors
- ✘ electrical components
- ✘ lighting ballasts
- ✘ any waste that has come in contact with any liquid-containing PCBs

*Any waste that has been in contact with **solvents** (industrial plants, chemical plants, laboratories, construction sites, etc.) such as:*

- ✘ caulking compounds
- ✘ paint thinner
- ✘ containers (packaging)
- ✘ pipes
- ✘ filters
- ✘ vats
- ✘ pumps
- ✘ adhesives
- ✘ mechanical/machine parts (valves)
- ✘ cement
- ✘ cabinets (shelves)
- ✘ flooring (wood, carpet)
- ✘ tar
- ✘ soil
- ✘ glazing compound
- ✘ storage tanks
- ✘ absorbent

*Any waste that has been in contact with **preservatives** (pentachlorophenol and creosote) such as:*

- ✘ railroad ties
- ✘ utility poles
- ✘ soil
- ✘ containers
- ✘ any mechanical part used in manufacturing processes

*Any waste that has been in contact with **pesticides/herbicides** such as:*

- ✘ containers (packaging)
- ✘ vats
- ✘ soil
- ✘ concrete
- ✘ mechanical/machine parts
- ✘ wood (storage area)
- ✘ any equipment used for application

***Miscellaneous waste** such as:*

- ✘ lamps (mercury)\*
- ✘ unpolished fiberglass (Bondo)
- ✘ liquid waste (paint, paint thinner, etc.) and containers (paint cans, etc.)
- ✘ solid waste which may contain a waste or substance determined by DHEC to be unacceptable
- ✘ caulking tubes

\* Fluorescent lamps and high intensity discharge (HID) lamps such as metal halide and mercury vapor lamps.







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